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Room:301B

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Neptunian Eruptions and Woody Pumices in Greentuff

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Greentuff is composed of typical submarine volcanoclastics and a good target for understanding the mechanism of subaqueous volcanism. In recent years, a new eruption model named the Neptunian eruption is proposed for the felsic submarine explosive volcanism (Allen and McPhie, 2009). We found several deposits showing typical features of the Neptunian eruption along with woody pumices in Nishiwaga Town, Iwate Prefecture, northeast Japan. The new Neptunian eruption deposits found in Greentuff can be classified into 4 kinds of eruption column collapse deposits and 2 kinds of subaqueous suspension deposits.

Keywords: Greentuff, Neptunian Eruptions, Woody Pumice